ELSEVIER

The Journal of Systems and Software 65 (2003) 237–238

The Journal of Systems and Software

www.elsevier.com/locate/jss

Contents Volume 65

Contents

Practical assessment of the models for identification of defect-prone classes in object-oriented commercial systems using design metrics
G. Succi, W. Pedrycz, M. Stefanovic and J. Miller 1

Evaluating defect estimation models with major defects
S. Biffl 13

From diagnosis to diagnosability: axiomatization, measurement and application
Y. Le Traon, F. Ouabdesselam, C. Robach and B. Baudry 31

LMR, DTA: adaptive communication algorithms for asynchronous real-time distributed systems using token-ring networks
B. Ravindran 51

Software architecture supporting integrated real-time systems
D. Kim, Y.-H. Lee and M. Younis 71

Assessing the maintenance processes of a software organization: an empirical analysis of a large industrial project
A. De Lucia, E. Pompella and S. Stefanucci 87

A comparison of methods for locating features in legacy software
N. Wilde, M. Buckellew, H. Page, V. Rajlich and L. Pounds 105

A controlled experiment on inheritance depth as a cost factor for code maintenance
L. Prechelt, B. Unger, M. Philippsen and W. Tichy 115

An empirical investigation of an object-oriented design heuristic for maintainability
I. Deligiannis, M. Shepperd, M. Roumeliotis and I. Stamelos 127

How well can we predict changes at architecture design time?
N. Lassing, D. Rijsenbrij and H. van Vliet 141

Operational anomalies as a cause of safety-critical requirements evolution
R.R. Lutz and I.C. Mikulski 155

The future of programming languages: evidence to support a midwest university information systems curriculum
J. Wenger 163

Guest Editorial
I. Crnkovic, H. Schmidt, J. Stafford and K. Wallnau 169

Deadlock-free software architectures for COM/DCOM Applications
P. Inverardi and M. Tivoli 173

Enabling predictable assembly
S. Hissam, G. Moreno, J. Stafford and K. Wallnau 185

Runtime verification of .NET contracts
M. Bargnett and W. Schulte 199

doi:10.1016/S0164-1212(03)00121-3

Revealing component properties through architectural styles
D.S. Wile 209

Trustworthy components—compositionality and prediction
H. Schmidt 215

Towards a composition model problem based on IEC61850
O. Preiss and A. Wegmann 227